

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently Amended) A device to evaluate a fastener, the device comprising:

a cam that is contoured to correspond to a relationship between a first dimension of the fastener and a second dimension of the fastener, the cam being movable between a first position and a second position, wherein the fastener is evaluated based on whether an electrical connection is completed when contact occurs between the cam and the fastener while the cam is moved from the first position to the second position;

a plurality of cams contoured to correspond to respective relationships between a plurality dimensions of the fastener, each of the plurality of cams being movable between a respective first position and a respective second position, wherein the fastener is evaluated based on whether the electrical connection is completed when contact occurs between the plurality of cams and the fastener while the cams are moved from the respective first positions to the respective second positions.

2. (Original) The device according to claim 1, further comprising:

a feeler disposed between the cam and the fastener to contact the fastener and complete the electrical connection when touching the cam.

3. (Original) The device according to claim 1, further comprising:

an indicator to emit a signal in response to the first dimension and the second dimension being between a minimum value and a maximum value.

4. (Original) The device according to claim 3, wherein the indicator emits a visual signal.
5. (Original) The device according to claim 3, wherein the indicator emits an auditory signal.
6. (Cancelled)
7. (Currently Amended) The device according to claim 1 6, further comprising:
an axel to rotate the cams from the respective first positions to the respective second positions.
8. (Original) The device according to claim 1, further comprising:
a processor to determine whether the electrical connection has been completed.
9. (Original) The device according to claim 8, further comprising:
an actuator to move the cam from the first position to the second position, the actuator being controlled by the processor.
10. (Original) The device according to claim 9, further comprising:
a placement sensor to sense whether the device is disposed upon the fastener, the processor receiving a signal from the placement sensor in response to the device being disposed upon the fastener, wherein the processor evaluates the fastener in response to receiving the signal.

11. (Currently Amended) A system to evaluate a fastener, the system comprising:

a device comprising:

~~a sensor comprising a cam contoured to correspond to a relationship between a first dimension of the fastener and a second dimension of the fastener, the cam being movable between a first position and a second position, wherein the fastener is evaluated based on whether an electrical connection is completed when contact occurs between the cam and the fastener while the cam is moved from the first position to the second position; and~~

a plurality of sensors, each sensor having a respective cam contoured to correspond to respective relationships between a plurality dimensions of the fastener, each of the plurality of cams being movable between a respective first position and a respective second position, wherein the fastener is evaluated based on whether an electrical connection is completed when contact occurs between the respective cam and the fastener while the cams are moved from the respective first positions to the respective second position.

a processor to receive signals from the sensor, the processor determining whether the first dimension and the second dimension are between a first value and a second value.

12. (Original) The system according to claim 11, further comprising;

a feeler disposed between the cam and the fastener to contact the fastener and complete the electrical connection when touching the cam.

13. (Original) The system according to claim 11, further comprising:

an indicator to emit a signal in response to the first dimension and the second dimension being between a minimum value and a maximum value.

14. (Original) The system according to claim 13, wherein the indicator emits a visual signal.

15. (Original) The system according to claim 13, wherein the indicator emits an auditory signal.

16. (Cancelled)

17. (Currently Amended) The system according to claim 11 ~~16~~, further comprising:
an axel to rotate the cams from the respective first positions to the respective second positions.

19. (Original) The system according to claim 11, further comprising:
an actuator to move the cam from the first position to the second position, the actuator being controlled by the processor.

20. (Original) The system according to claim 11, further comprising:
a placement sensor to sense whether the device is disposed upon the fastener, the processor receiving a signal from the placement sensor in response to the device being disposed upon the fastener, wherein the processor evaluates the fastener in response to receiving the signal.

21. (Original) The system according to claim 11, further comprising:
a memory to store data associated with fastener evaluation.

22. (Original) The system according to claim 11, further comprising:
a network to connect the processor to a database.

23. (Currently Amended) An apparatus for evaluating a fastener installed in a substrate, the fastener having a height relative to the substrate, the apparatus comprising:
means for sensing the height;
means for sensing a feature of the fastener; and

means for determining whether the feature is between a first value and a second value in response to the sensed height;

means for completing an electrical circuit in response to a camming means contacting the fastener, the cam being contoured to correspond to a relationship between the height and the feature of the fastener, wherein the circuit completing means comprises a plurality of sensors, each sensor having a respective cam contoured to correspond to respective relationships between a plurality dimensions of the fastener, each of the plurality of cams being movable between a respective first position and a respective second position, wherein the fastener is evaluated based on whether an electrical connection is completed when contact occurs between the respective cam and the fastener while the cams are moved from the respective first positions to the respective second position.

24. (Original) The apparatus according to claim 23, further comprising:

means for turning on an indicator means in response to the feature being between the first value and the second value.

25. (Cancelled)

26. (Currently Amended) The apparatus according to claim 23 25, wherein the determining step further comprises:

means for rotating the cam about an axis.

27. (Original) The apparatus according to claim 23, further comprising:

means for storing the determination to a memory means.

28. (Original) The apparatus according to claim 23, further comprising:

means for forwarding the determination across a network means to a network enabled device means.

29-37. (Cancelled)